

07/06



ENTERED

OIEP

#2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/066,209

DATE: 02/25/2002

TIME: 14:38:48

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\02252002\J066209.raw

4 <110> APPLICANT: Brigham-Burke, Michael R.
 5 Young, Peter R.
 7 <120> TITLE OF INVENTION: A METHOD OF IDENTIFYING AGONIST AND
 8 ANTAGONISTS FOR TUMOR NECROSIS RELATED RECEPTORS TR1 AND TR2
 11 <130> FILE REFERENCE: GH-50030-D1
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/066,209
 14 <141> CURRENT FILING DATE: 2001-10-25
 16 <150> PRIOR APPLICATION NUMBER: 09/072,993
 17 <151> PRIOR FILING DATE: 1998-05-06
 19 <150> PRIOR APPLICATION NUMBER: 60/055,513
 20 <151> PRIOR FILING DATE: 1997-08-13
 22 <150> PRIOR APPLICATION NUMBER: 60/056,980
 23 <151> PRIOR FILING DATE: 1997-08-26
 25 <150> PRIOR APPLICATION NUMBER: 60/057,550
 26 <151> PRIOR FILING DATE: 1997-08-29
 28 <160> NUMBER OF SEQ ID NOS: 9
 30 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 401
 34 <212> TYPE: PRT
 35 <213> ORGANISM: HOMO SAPIENS
 37 <400> SEQUENCE: 1
 38 Met Asn Lys Leu Leu Cys Cys Ala Leu Val Phe Leu Asp Ile Ser Ile
 39 1 5 10 15
 40 Lys Trp Thr Thr Gln Glu Thr Phe Pro Pro Lys Tyr Leu His Tyr Asp
 41 20 25 30
 42 Glu Glu Thr Ser His Gln Leu Leu Cys Asp Lys Cys Pro Pro Gly Thr
 43 35 40 45
 44 Tyr Leu Lys Gln His Cys Thr Ala Lys Trp Lys Thr Val Cys Ala Pro
 45 50 55 60
 46 Cys Pro Asp His Tyr Tyr Thr Asp Ser Trp His Thr Ser Asp Glu Cys
 47 65 70 75 80
 48 Leu Tyr Cys Ser Pro Val Cys Lys Glu Leu Gln Tyr Val Lys Gln Glu
 49 85 90 95
 50 Cys Asn Arg Thr His Asn Arg Val Cys Glu Cys Lys Glu Gly Arg Tyr
 51 100 105 110
 52 Leu Glu Ile Glu Phe Cys Leu Lys His Arg Ser Cys Pro Pro Gly Phe
 53 115 120 125
 54 Gly Val Val Gln Ala Gly Thr Pro Glu Arg Asn Thr Val Cys Lys Arg
 55 130 135 140
 56 Cys Pro Asp Gly Phe Phe Ser Asn Glu Thr Ser Ser Lys Ala Pro Cys
 57 145 150 155 160
 58 Arg Lys His Thr Asn Cys Ser Val Phe Gly Leu Leu Leu Thr Gln Lys

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59          165          170          175
60 Gly Asn Ala Thr His Asp Asn Ile Cys Ser Gly Asn Ser Glu Ser Thr
61          180          185          190
62 Gln Lys Cys Gly Ile Asp Val Thr Leu Cys Glu Glu Ala Phe Phe Arg
63          195          200          205
64 Phe Ala Val Pro Thr Lys Phe Thr Pro Asn Trp Leu Ser Val Leu Val
65          210          215          220
66 Asp Asn Leu Pro Gly Thr Lys Val Asn Ala Glu Ser Val Glu Arg Ile
67 225          230          235          240
68 Lys Arg Gln His Ser Ser Gln Glu Gln Thr Phe Gln Leu Leu Lys Leu
69          245          250          255
70 Trp Lys His Gln Asn Lys Asp Gln Asp Ile Val Lys Lys Ile Ile Gln
71          260          265          270
72 Asp Ile Asp Leu Cys Glu Asn Ser Val Gln Arg His Ile Gly His Ala
73          275          280          285
74 Asn Leu Thr Phe Glu Gln Leu Arg Ser Leu Met Glu Ser Leu Pro Gly
75          290          295          300
76 Lys Lys Val Gly Ala Glu Asp Ile Glu Lys Thr Ile Lys Ala Cys Lys
77 305          310          315          320
78 Pro Ser Asp Gln Ile Leu Lys Leu Leu Ser Leu Trp Arg Ile Lys Asn
79          325          330          335
80 Gly Asp Gln Asp Thr Leu Lys Gly Leu Met His Ala Leu Lys His Ser
81          340          345          350
82 Lys Thr Tyr His Phe Pro Lys Thr Val Thr Gln Ser Leu Lys Lys Thr
83          355          360          365
84 Ile Arg Phe Leu His Ser Phe Thr Met Tyr Lys Leu Tyr Gln Lys Leu
85          370          375          380
86 Phe Leu Glu Met Ile Gly Asn Gln Val Gln Ser Val Lys Ile Ser Cys
87 385          390          395          400
88 Leu
91 <210> SEQ ID NO: 2
92 <211> LENGTH: 283
93 <212> TYPE: PRT
94 <213> ORGANISM: HOMO SAPIENS
96 <400> SEQUENCE: 2
97 Met Glu Pro Pro Gly Asp Trp Gly Pro Pro Pro Trp Arg Ser Thr Pro
98 1          5          10          15
99 Arg Thr Asp Val Leu Arg Leu Val Leu Tyr Leu Thr Phe Leu Gly Ala
100          20          25          30
101 Pro Cys Tyr Ala Pro Ala Leu Pro Phe Cys Lys Glu Asp Glu Tyr Pro
102          35          40          45
103 Val Gly Ser Glu Cys Cys Pro Lys Cys Ser Pro Gly Tyr Arg Val Lys
104          50          55          60
105 Glu Ala Cys Gly Glu Leu Thr Gly Thr Val Cys Glu Pro Cys Pro Pro
106 65          70          75          80
107 Gly Thr Tyr Ile Ala His Leu Asn Gly Leu Ser Lys Cys Leu Gln Cys
108          85          90          95
109 Gln Met Cys Asp Pro Ala Met Gly Leu Arg Ala Ser Arg Asn Cys Ser
110          100          105          110

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111 Arg Thr Glu Asn Ala Val Cys Gly Cys Ser Pro Gly His Phe Cys Ile
112      115      120      125
113 Val Gln Asp Gly Asp His Cys Ala Ala Cys Arg Ala Tyr Ala Thr Ser
114      130      135      140
115 Ser Pro Gly Gln Arg Val Gln Lys Gly Gly Thr Glu Ser Gln Asp Thr
116      145      150      155      160
117 Leu Cys Gln Asn Cys Pro Pro Gly Thr Phe Ser Pro Asn Gly Thr Leu
118      165      170      175
119 Glu Glu Cys Gln His Gln Thr Lys Cys Ser Trp Leu Val Thr Lys Ala
120      180      185      190
121 Gly Ala Gly Thr Ser Ser Ser His Trp Val Trp Trp Phe Leu Ser Gly
122      195      200      205
123 Ser Leu Val Ile Val Ile Val Cys Ser Thr Val Gly Leu Ile Ile Cys
124      210      215      220
125 Val Lys Arg Arg Lys Pro Arg Gly Asp Val Val Lys Val Ile Val Ser
126      225      230      235      240
127 Val Gln Arg Lys Arg Gln Glu Ala Glu Gly Glu Ala Thr Val Ile Glu
128      245      250      255
129 Ala Leu Gln Ala Pro Pro Asp Val Thr Thr Val Ala Val Glu Glu Thr
130      260      265      270
131 Ile Pro Ser Phe Thr Gly Arg Ser Pro Asn His
132      275      280
134 <210> SEQ ID NO: 3
135 <211> LENGTH: 279
136 <212> TYPE: PRT
137 <213> ORGANISM: HOMO SAPIENS
139 <400> SEQUENCE: 3
140 Met Met Glu Val Gln Gly Gly Pro Ser Leu Gly Gln Thr Cys Val Leu
141      1      5      10      15
142 Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys Val Ala Val Thr
143      20      25      30
144 Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met Gln Asp Lys Tyr Ser
145      35      40      45
146 Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu Asp Asp Ser Tyr Trp Asp
147      50      55      60
148 Pro Asn Asp Glu Glu Ser Met Asn Ser Pro Cys Trp Gln Val Lys Trp
149      65      70      75      80
150 Gln Leu Arg Gln Leu Val Arg Lys Met Ile Leu Arg Thr Ser Glu Glu
151      85      90      95
152 Thr Ile Ser Thr Val Gln Glu Lys Gln Gln Asn Ile Ser Pro Leu Val
153      100      105      110
154 Arg Glu Arg Gly Pro Gln Arg Val Ala Ala His Ile Thr Gly Thr Arg
155      115      120      125
156 Gly Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala
157      130      135      140
158 Leu Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser
159      145      150      155      160
160 Phe Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His Glu
161      165      170      175

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Output Set: N:\CRF3\02252002\J066209.raw

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162 Lys Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe Gln Glu
163           180           185           190
164 Glu Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln Tyr Ile
165           195           200           205
166 Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala
167           210           215           220
168 Arg Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr Ser Ile
169           225           230           235           240
170 Tyr Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val
171           245           250           255
172 Ser Val Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala Ser Phe
173           260           265           270
174 Phe Gly Ala Phe Leu Val Gly
175           275
177 <210> SEQ ID NO: 4
178 <211> LENGTH: 240
179 <212> TYPE: PRT
180 <213> ORGANISM: HOMO SAPIENS
182 <400> SEQUENCE: 4
183 Met Glu Glu Ser Val Val Arg Pro Ser Val Phe Val Val Asp Gly Gln
184 1           5           10           15
185 Thr Asp Ile Pro Phe Thr Arg Leu Gly Arg Ser His Arg Arg Gln Ser
186           20           25           30
187 Cys Ser Val Ala Arg Val Gly Leu Gly Leu Leu Leu Leu Met Gly
188           35           40           45
189 Ala Gly Leu Ala Val Gln Gly Trp Phe Leu Leu Gln Leu His Trp Arg
190           50           55           60
191 Leu Gly Glu Met Val Thr Arg Leu Pro Asp Gly Pro Ala Gly Ser Trp
192           65           70           75           80
193 Glu Gln Leu Ile Gln Glu Arg Arg Ser His Glu Val Asn Pro Ala Ala
194           85           90           95
195 His Leu Thr Gly Ala Asn Ser Ser Leu Thr Gly Ser Gly Gly Pro Leu
196           100          105          110
197 Leu Trp Glu Thr Gln Leu Gly Leu Ala Phe Leu Arg Gly Leu Ser Tyr
198           115          120          125
199 His Asp Gly Ala Leu Val Val Thr Lys Ala Gly Tyr Tyr Tyr Ile Tyr
200           130          135          140
201 Ser Lys Val Gln Leu Gly Gly Val Gly Cys Pro Leu Gly Leu Ala Ser
202           145          150          155          160
203 Thr Ile Thr His Gly Leu Tyr Lys Arg Thr Pro Arg Tyr Pro Glu Glu
204           165          170          175
205 Leu Glu Leu Leu Val Ser Gln Gln Ser Pro Cys Gly Arg Ala Thr Ser
206           180          185          190
207 Ser Ser Arg Val Trp Trp Asp Ser Ser Phe Leu Gly Gly Val Val His
208           195          200          205
209 Leu Glu Ala Gly Glu Lys Val Val Val Arg Val Leu Asp Glu Arg Leu
210           210          215          220
211 Val Arg Leu Arg Asp Gly Thr Arg Ser Tyr Phe Gly Ala Phe Met Val
212           225          230          235          240

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Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\02252002\J066209.raw

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214 <210> SEQ ID NO: 5
215 <211> LENGTH: 810
216 <212> TYPE: DNA
217 <213> ORGANISM: HOMO SAPIENS
219 <400> SEQUENCE: 5
220   cccacgcgtc cgccacgcg tccgctgagg ttgaaggacc caggcgtgtc agccctgctc      60
221   cagacacctt gggcatggag gagagtgtcg tacggccctc agtgtttgtg gtggatggac      120
222   agaccgacat cccattcacg aggctgggac gaagccaccg gagacagtcg tgcagtgtgg      180
223   cccgggtggg tctgggtctc ttgctgttgc tgatgggggc tgggctggcc gtccaaggct      240
224   ggttcctcct gcagctgcac tggcgtctag gagagatggt caccgcctg cctgacggac      300
225   ctgcaggctc ctgggagcag ctgatacaag agcgaaggtc tcacgaggtc aaccagcag      360
226   cgcattctac aggggccaac tccagcttga ccggcagcgg ggggccgctg ttatgggaga      420
227   ctgagctggg cctggccttc ctgaggggcc tcagctacca cgatggggcc cttgtggtca      480
228   ccaaagctgg ctactactac atctactcca aggtgcagct gggcgggtgtg ggctgcccgc      540
229   tgggcctggc cagcaccatc acccacggcc tctacaagcg cacaccccgc taccocgagg      600
230   agctggagct gttggtcagc cagcagtcac cctgcggacg ggccaccagc agctcccggg      660
231   tctggtggga cagcagcttc ctgggtggtg tggtagacct ggaggctggg gagaaaagtgg      720
232   tcgtccgtgt gctggatgaa cgcttggttc gactgcgtga tggtagccgg tcttacttcg      780
233   gggctttcat ggtgtgaagg aaggagcgtg      810
235 <210> SEQ ID NO: 6
236 <211> LENGTH: 8
237 <212> TYPE: PRT
238 <213> ORGANISM: HOMO SAPIENS
240 <400> SEQUENCE: 6
241   Arg Ser Ile Glu Gly Arg Gly Thr
242     1                      5
244 <210> SEQ ID NO: 7
245 <211> LENGTH: 6
246 <212> TYPE: PRT
247 <213> ORGANISM: HOMO SAPIENS
249 <400> SEQUENCE: 7
250   Ser Asp Asp Asp Asp Lys
251     1                      5
253 <210> SEQ ID NO: 8
254 <211> LENGTH: 8
255 <212> TYPE: PRT
256 <213> ORGANISM: HOMO SAPIENS
258 <400> SEQUENCE: 8
259   Arg Ser Ile Glu Gly Arg Gly Thr
260     1                      5
262 <210> SEQ ID NO: 9
263 <211> LENGTH: 6
264 <212> TYPE: PRT
265 <213> ORGANISM: HOMO SAPIENS
267 <400> SEQUENCE: 9
268   Ser Asp Asp Asp Asp Lys
269     1                      5

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/066,209

DATE: 02/25/2002

TIME: 14:38:50

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\02252002\J066209.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number